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L2: Entry 1 of 1

File: DWPI

Aug 6, 1992

DERWENT-ACC-NO: 1992-269752

DERWENT-WEEK: 199233

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TITLE: New bis-(2,5-di:aminophenoxy)-oxa:alkane cpds. - useful as developer in oxidn. hair dye giving uniform colour

INVENTOR: HOEFFKES, H; ROSE, D ; LIESKE, E

PRIORITY-DATA: 1991DE-4102907 (January 31, 1991)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 4102907 A	August 6, 1992		006	C07C217/84
EP 569368 A1	November 18, 1993	G	000	C07C217/84
<u>WO 9213824 A1</u>	August 20, 1992	G	013	C07C217/84

INT-CL (IPC): A61K 7/13; C07C 217/84

ABSTRACTED-PUB-NO: DE 4102907A

BASIC-ABSTRACT:

New bis-(2,5-diaminophenoxy)-oxalkanes of formula (I) are claimed. n = 2 or 3; x = 1-3.

A hair dye contains (I) or a water-soluble salt, a carrier; and a coupler for oxidn. hair dyes, esp. resorcinol, naphthol, aminophenol or hydroxypyridine. A hair dye compsn. contains as carrier an aq. gel with 1-20 wt.% of a soap or an oil-in-water emulsion with 1-25% of a fatty component and 0.5-30% of a surface-active emulsifier, and 0.05-10 mmols of (I) w.r.t. 100g of compsn.

USE/ADVANTAGE - Use of (I) or water-soluble salts as developer to give oxidn. dyeings is claimed. The oxidn. dyes bond well to hair and other keratin fibres, give uniform colour on damaged hair, and resist repeated shampooing.

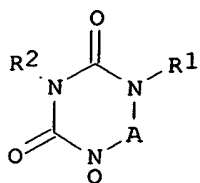
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I

AB Alloxan and isobarbituric acid derivs. I (R1, R2 = H, C1-4 alkyl, C2-4 hydroxyalkyl, C2-4 acyl, Ph, PhCH2; A = CH2, C:O) are useful for dyeing keratin fibers, esp. human hair. I confer yellow nuances when used alone,

or can be combined with amines, amino acids, peptides, or N-contg. heterocycles to provide brilliant yellow, red, or violet colors which are fast towards light, washing, and friction. Thus, a suspension contg. alloxan 1, 1,3-bis(2,4-diaminophenoxy)propane-4HCl 1, and NaOAc 1 mmol in 100 mL water was heated to boiling, cooled, filtered, and adjusted to pH 6. The resulting soln. conferred a brown color on gray hair.

L2 ANSWER 23 OF 23 CAPLUS COPYRIGHT 2002 ACS

AN 1995:248743 CAPLUS

DN 122:38518

TI Isatin-containing compositions as hair dyes

IN Moeller, Hinrich; Hoeffkes, Horst

PA Henkel KGaA, Germany

SO Ger. Offen., 13 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 4314317	A1	19941103	DE 1993-4314317	19930430
	WO 9424988	A1	19941110	WO 1994-EP1246	19940421
	W: JP, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	EP 695162	A1	19960207	EP 1994-915084	19940421
	EP 695162	B1	19970618		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, NL, PT, SE				
	JP 08509478	T2	19961008	JP 1994-523838	19940421
	AT 154509	E	19970715	AT 1994-915084	19940421
	ES 2105707	T3	19971016	ES 1994-915084	19940421
	US 5616150	A	19970401	US 1995-535261	19951030
PRAI	DE 1993-4314317		19930430		
	WO 1994-EP1246		19940421		
OS	MARPAT 122:38518				
IT	62-53-3D, Aniline, derivs. 65-49-6, 4-Aminosalicylic acid 72-17-3, Sodium lactate 77-86-1 78-90-0, 1,2-Diaminopropane 78-91-1, 2-Aminopropanol 87-51-4, 1H-Indole-3-acetic acid, biological studies 88-21-1, 2-Aminobenzenesulfonic acid 89-57-6, 5-Aminosalicylic acid 91-21-4 91-56-5, Isatin 91-56-5D, Isatin, derivs. 91-95-2, 3,3',4,4'-Tetraaminodiphenyl 96-54-8, 1-Methylpyrrole 99-05-8, 3-Aminobenzoic acid 99-31-0, 5-Aminoisophthalic acid 101-77-9, 4,4'-Diaminodiphenylmethane 103-76-4, 1-(2-Hydroxyethyl)piperazine 103-82-2, 2-Phenylacetic acid, biological studies 107-15-3, 1,2-Ethanediamine, biological studies 109-76-2, 1,3-Diaminopropane 109-96-6, 3-Pyrroline 109-97-7, Pyrrole 110-00-9, Furan 110-02-1, Thiophene 110-76-9, 2-Ethoxyethylamine 110-85-0, Piperazine, biological studies 110-89-4, Piperidine, biological studies 111-40-0 111-41-1, 2-(2-Aminoethylamino)ethanol 115-69-5, 2-Amino-2-methylpropane-1,3-diol 116-63-2, 4-Amino-3-hydroxynaphthalene-1-sulfonic acid 118-92-3, 2-Aminobenzoic acid 119-59-5, 4,4'-Diaminodiphenyl sulfoxide				

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(FILE 'HOME' ENTERED AT 09:01:47 ON 02 APR 2002)

FILE 'CAPLUS' ENTERED AT 09:02:20 ON 02 APR 2002
S 159661-45-7/REG#

L1 FILE 'REGISTRY' ENTERED AT 09:02:43 ON 02 APR 2002
1 S 159661-45-7/RN

L2 FILE 'CAPLUS' ENTERED AT 09:02:43 ON 02 APR 2002
23 S L1

L3 23 S L1 AND DYE?

FILE 'STNGUIDE' ENTERED AT 09:05:47 ON 02 APR 2002